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INFLUENCE OF RELIABILITY AND RESPONSIVENESS TO SERVICE QUALITY ON COMMUTERS' SATISFACTION IN A ROAD TRANSPORTATION FIRMS IN ANAMBRA STATE, NIGERIA.

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ABSTRACT

This work examined the influence of reliability and responsiveness to service quality on commuter satisfaction among road transportation firms in Anambra state. The study examined the influence the reliability and responsiveness variables of service quality on commuters' satisfaction. The study used questionnaire as survey instrument to collect the primary data. The study is anchored on the Gap theory of service quality that apply servqual model. The population of the study consists of three hundred and twenty seven (327) respondents who are the commuters of the five (5) selected transport companies in Anambra state. Pearson's correlation was employed to determine the extent of association between the variables used in the study. Furthermore, linear regressions was conducted to test the hypotheses using the statistical package for social sciences (SPSS) version 21. The results of the study showed that service quality variables (reliability, responsiveness) have significant positive influence on commuter satisfaction. The study recommends that the servqual model of service quality as adapted model be used in transport sector as to improve the service quality offered to commuters. There is need to organize more training of employees in the transport companies to increase their customer service and customer management skills. The use of modern transport management computer applications in ticketing is recommended to reward responsively loyal commuters that will also increase commuter satisfaction and reliable commuter retention.

Keywords: service quality, reliability, responsiveness, commuter satisfaction, commuters.

Introduction

Transportation is the movement of goods, persons, animals, from one place to another through land, water, air, and space and the various means by which such movement is accomplished Globally, transportation is an essential asset in any economy. Public services, such as public transportation, have to meet the needs of the people while playing a role in economic and urban sustainability. The government over time has not managed their transport firms effectively and



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efficiently and this has resulted to commuters abandoned at the mercy of the freelance private transport owners that dominate the road transport network all over the state (Okakunori, 2006). In Nigeria, the commonest means of transportation is land transport and, road transport is the dominant means of transportation used to move persons and goods from one place to another. Rail system is not yet evident in Anambra state, Nigeria. In road transport, majority of the firms that offer transport services are privately owned as such they determine the quality of service offered to commuters (Ejem, 2021). The transport firms in this industry have already realized that they operate in a competitive environment, competing for customers as well as for resources. In service delivery, quality is only obtained when the customer's needs and wants are satisfied or exceeded. Hence firms in the transport sector seem to be upgrading the passenger's relevance for their line of business (Madumere, Uche & Agu, 2020).

In Anambra state, there are organised transport firms and freelance transporters that operate in the state. The organised transport firms have fleet of vehicles that ply the firms route of interest and have a fixed terminal where commuters converge to pay in order to be transported to their destination. Service quality therefore, provides seamless relationship between customers and the organization and it is a two-way flow of value. This means that customers derive certain value from the relationship which translates into value for the organization in the form of enhanced profitability and satisfaction over a long period of time (Ojo, 2010). The concept of customer satisfaction is built up by customer experiences, how they perceive the service they are offered and ultimately by whether they actually are satisfied with their experiences or not. One way of competing more successfully today is by offering true customer service and service quality (Wilson, Zeithaml, Bitner & Gremier 2008).

The commuters who travel from one place to another expect to enjoy certain level of satisfaction in the services offered. Since service is intangible and consumed as it is produced, However, in transportation industry, one of the most important challenges is whether management can perceive correctly what passengers want and expect. Moreover, in evaluating service quality in this industry, passengers compare how they perceive the service with their expectations. Thus, assessing passenger expectations in this industry; is an inevitable exercise, because commuters are becoming increasingly sensitive to quality service. Therefore, this work will examine the influence that service quality dimensions of reliability and responsiveness



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have on commuter satisfaction in selected transportation firms in Awka, Ekwulobia, Onitsha, and Nnewi cities of Anambra State..

Statement of the Problem

The provision of adequate and appropriate road transportation services, to move commuters from one place to another is a major challenge encountered in almost all cities in Anambra State. The increasing number of residents in the cities, urban and semi-urban areas has also brought about increased number of commercial vehicles that offer transportation services. Commuters move from their homes to place of work or business and vice versa to perform their businesses for the day. It was observed that commuters patronize free-lance buses in their large numbers irrespective of services offered by organized transportation firms. These services include, shelter to protect them against sun and rain, waiting bench, proper harmonized ticketing and identifiable drivers.

Research by Taran, (2022), showed that commuters were unsatisfied with the quality of service by shuttle transport service in Jordan. Madumere, Uche, & Agu (2020) research in South east Nigeria revealed that what looks like satisfaction in most organized road transport firms is not a function of high service quality delivery and performance but a function of other factors such as nearness of terminals to customers point of take-off or destination, cost and unavailability of alternative transport service providers, given the difficulty in finding an operator that is really service quality conscious. These conflicting findings from the previous studies show that the relationship between service qualities and consumer satisfaction are not yet resolved. This research will examine the influence the service quality parameters; responsiveness, and reliability has on commuters' satisfaction by studying the road transport firms in Anambra state and to fill the gap in knowledge.

Objectives of the Study

- 1. Determine the influence of reliability on commuters' satisfaction in transportation firms in Anambra state.
- 2. Establish the influence of responsiveness on commuters' satisfaction in transportation firms in Anambra state.

Research Questions



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The following research questions will guide this study.

1. How significant is the effect of reliability on commuters' satisfaction in transportation

firm in Anambra state?

2. How significant is the effect of responsiveness on commuters' satisfaction in

transportation firms in Anambra state?

Theory and Hypotheses

Conceptual Framework

Service Quality: Service is valued "acts, deeds, or performance" done unto the customers the

prime can be defended as essentially intangible (Loverlock, Vandermerwe, Lewis, & Fernie

2011). Service is an economic activity that provides benefit and creates value at specific times

and places to the customers (Vargo & Lusch, 2008). Goldstein, Johnston, Duffy & Raod (2002)

mentioned that while the people, technology, physical facilities and equipment in the service

constitute input of service, service outcomes and experiences constitute output of services. In

addition, well-designed inputs will bring the quality to the company. Kotler, Wong, Saunders

and Armstrong (2005) defined service as an activity benefit that one party can offer to another

that is essentially tangible and does not result in the warship of anything. The intangibility of

service can be seen in its "experience", "time", and "process". The problem of that characteristic

is the difficulties for setting the price for service marketers. So, for many authors, the critical

distinction stems from service being intangible, Customers generally are not able to perceive

the service before being consumed. They can only perceive the service after consumption. This

is a challenge for customer satisfaction and service providers and the need to position service

to be tangible (Mudie & Pirrie 2006). Scholars have defined quality in three distinct ways:

quality as excellence, quality as value and quality as meeting or exceeding expectations

(Ekinci, Dawes, Massey 2008). Service quality has been conceptualized as "the difference

between customer expectations regarding a service to be received and satisfactions of the

service being received" (Akbar &Parvez, 2009).

Service Quality Variables of Interest

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SERVQUAL, developed by scholars from the North American school of thought is the best known customer-oriented model used to measure service quality (Parasuraman, Zeithaml and Berry, 1991). Service quality measures the gap between customer expectations and their satisfactions of the actual experience on a five dimensional scale; tangibles, reliability, responsiveness, empathy, assurance. According to Parasuramanet al (1985), the appearances of a gap can be influenced by ten factors. They include: competence, courtesy, credibility, security, and accessibility, communication, knowing the customers, tangibles, reliability and responsiveness. These ten faces were later reduced to five that include reliability, responsiveness, assurance, empathy and tangibles based on these five factors, the 22- item SERVQUAL item was developed. According to Juran (1989) measurement of quality in a service organization was classified along two dimensions internal and external. Internal measurement is to measure the internal process while external measurement is to measure the quality of products or services based on customer satisfaction. The main yardstick of performance in quality for service organizations is external customers' satisfaction. However, these dimensions have shown to be indistinct and other models of service quality have shown to be more agreeable (Carmen, 1990). Moreover, new dimensions have been found while applying the SERVQUAL model in diverse industries. The Sequel dimensions of reliability and responsiveness are germen to the current study

Reliability Construct

According to Lee et al (2009), reliability is the service company ability to deliver promises on time Reliability involves the ability to perform the promised service dependably and accurately. In other words, reliability is the ability to perform the promised service dependably and accurately, reliability involves in consistency of performance and dependability. It means that the firm performs the service right the first time. It also means that the firm fulfils its promises. Reliability of service designates the seller's capability to supply the promised outputs at the stated level. Reliability is about the organization keeping its word. It is defined as "the ability to perform the promised service dependably and accurately" or delivering on its promises". Blose and Tankersley (2004) believe that providing a service and meeting commitments on time according to the promised service date in a professional manner will influence a customer's satisfaction in a special way. The employees at the institution should ensure that the



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desired service level is performed at the first time correctly. This implies that the organization keeps its promises within the specific time frame set out.

Jaiswal (2008) believes that reliability is the most important dimension of service quality Reliability improvements are at the heart of service quality enhancement efforts becauseunreliable service means promises not being met on the attributes that customers care about the service received. If the main service is not performed reliably, customers may assumethat the company is incompetent and may switch to another organization. This variable is critical as all commuters want to deal with firms that keep their promises and this is generally implicitly communicated to the firm's customers.

Responsiveness construct

Responsiveness is the degree to which customers perceive service providers' readiness to assist them promptly. Responsiveness involves the willingness to help customers. Lee et al (2009) maintain that responsiveness is the willingness to help customers and provide prompt service, responsiveness concerns the willingness or readiness of employees to provide service. It involves timeliness of service. Responsiveness refers to the corporation's capability to respond to and satisfy the customer's wishes. A willingness to react and reaction speed play a vital role in the service responsiveness. Responsiveness is the willingness to help customers and provide prompt services. This dimension is concerned with dealing with customer's requests, questions and complaints promptly and attepearntively. A firm is known to be responsive if it takes time to communicate to its clients how long it would take to get answers or have their problems dealt with (Har, 2008).

Dale (2003) defines responsiveness as the willingness to assist customers and to provide prompt on a continuous as Responsiveness is linked to the time period that customers have wait for help, receive answers to queries or attention to problems as well as the ability to develop customised solutions for customers. Blose and Tankersley (2004) contend that, whether the intention occurs face to face or telephonically, the degree to which the service personnel exhibit the ability to handle such matters effectively, and whether they care about attending to the customer's request, will undoubtedly impact on satisfactions of service quality. This dimension is concerned with dealing with the customer's requests, questions and complaints promptly and attentively. A firm is known to be responsive when it communicates



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to its customers how long it would take to get answers or have their problems dealt with. To be successful, companies need to look at responsiveness from the viewpoint of the customer rather

than the company's perspective (Zeithaml et al., 2006).

Consumer satisfaction

Consumer satisfaction is a marketing concept that encompasses a customer's impression,

awareness and/or consciousness about a company or its offerings (Business Dictionary, 2020).

Consumer satisfaction is influenced by a variety of factors. Besides the actual outcome for

instance, did the product or service deliver the expected function and did it fulfill the customers

need-the whole process of consumption and all interactions involved are of crucial importance.

Ghazal and Suchita (2014) see consumer satisfaction as the customer judgment of the overall

excellence of the service provided in relation to the quality that was expected.

Consumer satisfaction refers to the process by which a customer selects, organizes, and

interprets information/stimuli inputs to create a meaningful picture of the brand or the product.

It is a three stage process that translates raw stimuli into meaningful information. Each

individual interprets the meaning of stimulus in a manner consistent with his/her own unique

biases, needs and expectations. Three stages of satisfaction are exposure, attention and

interpretation (Habibollah, Younes and Ahmad, 2016).

Different consumes may perceive one and the same product or service in different ways. A

customer's satisfaction of an offering may even deviate from what the product or service

provider or marketer had intended. This may vie serious problems in today's attention economy.

Everybody is exposed to more and more diverse information than ever before. It is hard enough

for an offering to get a potential customer's attention at all. If the customer's satisfaction of this

offering is an unfavorable one, it probably will not get a second chance to make a better

impression (Dagmar, 2017).

Consumer satisfaction is dynamic. First of all, with the developing relationship between

customer and company, his satisfactions of the company and its products or services will

change. The more experience the customer accumulates, the more his satisfactions will shift

from fact-based judgments to a more general meaning the whole relationship gains for him.

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Over time, he puts a stronger focus on the consequence of the product or service consumption (Dagmar, 2017). Consumer satisfaction of service quality is a comprehensive assessment of a service's benefits. There are two main factors that affect the quality of services, namely: expected service and perceived service. Kotler (2003) explained that the quality should start from the needs of customers (expectations) and ends at the customer's satisfaction. This means that good quality satisfaction is not based on the service provider, a band on the point of view or satisfaction of the customer.

Ghobadian, Speller, & Jones (1994) showed that organizations with perceived high quality services usually have higher market share and higher profitability than companies with perceived less quality. Zeithaml & Hier (2001) discussed customers' satisfaction or dissatisfaction as a response to the evaluation of the perceived discrepancy between expectations and service performance. They argued that satisfaction is considered to have a broad concept than service quality. They claimed that quality of service is the focus of the assessment that reflects the customers' satisfaction of the five specific dimensions of quality service.

Customer's expectation of a particular service is determined by factors such as recommendations, personal needs and past experiences. The expected service and the perceived service might not be equal thus leaving a gap, the difference, imbalance or disparity exists between customer's satisfaction of firms' performance and their prior expectation. Management of service quality largely focuses on managing the gaps between expectations and satisfactions of customer's (Zeithaml et al, 2003). The goal of the firm is to minimize the gap between satisfaction and expectation. Satisfactions of transport service quality are the degree to which passengers find various transportation attributes important in enhancing their satisfaction during their travel experience.

Theoretical Framework

This research work is anchored on SERVQUAL model. The original conceptualization of service quality was framework developed by Parasuraman et al (1985, 1988). Their works led to the development of a 22-item scale, the SERVQUAL instrument which has been used extensively by most researchers. The SERVQUAL instruments was originally measured on ten (10) aspects or dimensions of service quality: reliability, responsiveness, competence, access



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courtesy, communication, credibility, security, understanding, and tangibles as a means of measuring the gap between customer expectation and experience.

The original construct was found to be overly complex, subjective and statistically unreliable as a result it was simplified and modified to the five dimensional models which is measured on five (5) aspects, namely reliability, assurance, tangibility, empathy and responsiveness Parasuraman et al (1991). SERVQUAL is a service quality framework that highlights five important business parameters customers use to analyze strength or weaknesses. SERVQUAL model assumes that customers evaluate a firm's service quality by comparing their satisfactions with their expectations. It highlights the five area of a business: Reliability, Assurance, Tangibles. Empathy, and Responsiveness, Gap analysis of SERVQUAL results measures the difference between satisfaction and expectation. This model allows businesses to improve an individual service variable by analyzing customer data. Service quality is therefore a function of pre-purchase customers' expectations, perceived process quality and perceived output quality (McCabe et al, 2007). Parasuraman et al (1985), conceptualized service quality as the gap between customers' expectation and their satisfaction of the service experience. Based on their conceptualization of service quality, the original instrument was made up of 22-items. Nyeck, Morales, Ladhari, & Pons, (2002) grouped the data on these items under the five dimensions of SERVQUAL. The SERVQUAL has proved to be an invaluable tool for service organizations to better understand what their customers or clients value and how well they are meeting the needs and expectations of customers and clients. It provides a benchmark based on customer opinions of an excellent organization, on the ranking of key attributes and on comparison to what employees of service organizations believe customers feel.

Criticisms of the SERVQUAL Theoretical framework

The SERVQUAL has come under some criticisms. Francis Buttle has criticized the SERVQUAL on a number of theoretical and operational bases. He noted that the five dimensions of SERVQUAL are not universals and that the model fails to draw on established economic, statistical and psychological theory (Buttle, 1996). But SERVQUAL has been used to measure - service quality in a variety of contexts. The wide array of application of such an instrument as SERVQUAL spells confidence in its utilization as a technique for measuring



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service quality in various business sectors and service industries to their arguments in support of the SERVQUAL. Nyeck et al (2002), and Eboli, (2021) posit that SERVQUAL remains the most complete attempt to conceptualize and measure service quality. They contend that its main benefit is the ability of researchers to examine numerous service industries much as healthcare, banking, financial services and education. The fact that SERVQUAL has critics does not render it moot. Rather the criticisms may well have to do with how researchers use the tool, hence, the decision to use it as the model framework for the study. The researcher therefore propose to use the adapted two factor model of SERVQUAL (reliability and responsiveness) for this work

Theoretical Exposition

Reliability and Consumer Satisfaction

In the literature, service quality is measured primarily from the customer's perspective since customers are the sole judges of service quality (Ona et al, 2012). However, the use of a more objective measurement provided by the firm can be useful in improving comprehensive service quality. Reliability means ability to perform the promised service dependably and accurately, reliability involves in consistency of performance and dependability. It means that the firm performs the service right the first time. It also means that the firm honors its promises. Reliability is about the organization keeping its word. It is defined as "the ability to perform the promised service dependably and accurately" or delivering on its promises" (Zeithaml et al. 2006). Reliability of service designates the seller's capability to supply the promised outputs at the stated level (Blery et al., 2009). Reliability refers to the ability to perform promised services at the promised time, accurately, and dependably (Arizon, 2010). This means that services should be available as soon as customers expect to get the service, thus transporters should not misuse the information and there should be frequent update of new technologies Customers want trustable services on which they can rely on.

In transport industry, service quality is one of the most important aspects of the premium customer experience Reliability depends on handling customer service issues, performs the services right the first time, offers services on time, and maintain a record of error-free, Moreover, they define reliability as the most significant factor in conventional service



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(Parasuraman et al. 1988). Although the service itself adds value, the enhancement of customer-perceived value relies on the firm actively communicating customer advocacy capabilities to the customers by promoting customer trust and satisfaction (Yeh, 2013). Firms focus on gathering extensive data about their customers, and then use the information to segment and personalize their offerings and marketing communications. We believe that service firms facilitate the creation and sharing of knowledge, competencies, and practices through open-mindedness to shape customer advocacy. Furthermore, the level of previous customer experience with certain services by other firms can impact on customers' satisfaction of service quality. Base on the foregoing, this study will determine whether customer satisfaction of service quality will depend on consistency of performance and dependability of services rendered by the transport companies.

Responsiveness and Commuter satisfaction

Responsiveness is the willingness to help customers and provide prompt services. This dimension is concerned with dealing with customer's requests, questions and complaints promptly and attentively. A firm is known to be responsive if it takes time to communicate to its clients how long it would take to get answers or have their problems dealt with (Har, 2008). It involves timeliness of service. Responsiveness refers to the corporation's capability to respond to and satisfy the customer's wishes. A willingness to react and reaction speed play a vital role in the service responsiveness (Arizon, 2010). It can be measured by the amount of time needed to deal with customers' reported problems and the response duration once the customer filed a service request (Santhiyavalli, 2011). Today, the quality of goods and services perceived by customers are highly important, it has become an obligation for firms to supply quality goods and services into the market. So it is necessary to follow customers' expectations closely and promptly take the essential steps to meet those (Cirpin & Sarica, 2014). In addition, the customer is the center of attention and customer service is the distinguishing factor (Jham & Khan, 2008) Service quality has been recognized as an important factor in improving customer satisfaction Responsiveness is the willingness to help customers and provide prompt service. Iglesias and Guillén (2004) asserted that responsiveness ensures speed and timeliness of service delivery. This consists of processing speed and service capabilities to respond promptly to customer service requests and wait a short and queuing time.



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Because service delivery occurs during the interactions between contact employees and customers, attitudes and behaviors of the contact employees can influence customers' satisfactions of service quality (Schneider and Bowen, 1985). Moreover, Beatson, Lings, &Gudergan (2008), found that perceived employee satisfaction, perceived employee loyalty, and perceived employee commitment had a sizable impact on perceived product quality and on perceived service quality. Zeithaml and Bitner (1996) noted that contact employees represent the organization and can directly influence customer satisfaction; they perform the role of marketers. Whether acknowledged or not, service employees perform marketing functions. They can perform these functions well, to the organization's advantage, or poorly, to the organization's detriment. According to Bettencourt and Gwinner (1996) front line employee has the opportunity to tailor in real-time not only the services the firm offers, but also the way in which those services are delivered. Customer actions, reactions and other characteristics can have a profound influence on the actions and mannerisms of front-line service personnel. Customers largely establish their impressions of the organization's level of service provision based on their encounters with front line employee. Therefore, employees involved in the delivery of front-line services can provide valuable information for improving service. FLE are knowledgeable about the strengths and weaknesses of the service through their contact with customers and this is an important form of feedback that can be used by organizations in decision-making to better serve customers. Research has established a positive correlation between the attitudes of employees and those of customers, including employee and customer satisfactions of service quality (Schneider and Bowen, 1985).

Chen and Chang (2005) investigated the quality service provided by the Taiwanese airline. The result of the study showed that consumers were concerned with the responsiveness of ground personal, assurance and responsiveness are valued very high in in-flight service, while seat comfort has the highest priority for improvement. Similarly, Pakdil and Aydin in (2007) investigated the expectations and satisfactions of customers of a Turkish airline. They found that responsiveness is the most important dimension for airline consumers, while availability is the least important dimension Base on the foregoing, this study will determine whether customer satisfaction of service quality in transport sector will depend on the willingness or reactions of employees namely drivers, loaders, conductors and ticket sellers to provide service to passengers.



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Empirical Review

Service quality and commuter satisfaction have attracted much scholarly attention. For instance, Husin (2022) carried out a study on Factors that Influence Passenger Experience on Ride-Hailing Transportation among Young Generation. The study examined the relationship between tangibility, reliability, responsiveness, assurance and passenger experience on ride-hailing transportation among students of Universiti Utara Malaysia (UUM). A total of 271 respondents participated in this study. The data were collected by online survey which was conducted through questionnaire and distributed using Google Form. This study analyzed by descriptive analysis, normality test, reliability analysis, Pearson correlation analysis, multiple regression analysis and hypothesis testing by using Statistical Package for Social Sciences (SPSS). The survey results show that there is relationship between tangibility, reliability, responsiveness, assurance with passenger experience. Ride-hailing companies or service providers need to improve their service quality to provide passengers with a good experience, in order to attract and retain passengers.

Muthupandian and Vijayakumar (2012) used the SERVQUAL instrument to measure the quality in transportation services used in the State Road Transport Undertakings (SRTU) in Tamil Nadu, India. They took the five original criteria into consideration for evaluation each expectation and satisfaction. Gap 5 developed by Parasuraman et al., (1985) was considered to match if company provides high-quality service. In the end they saw there is no significant difference between satisfaction and expectation. For expectations lowest dimension was tangibles", while the highest was "assurance", on the other hand, highest dimension for satisfactions was responsiveness while the lowest empathy.

Luke and Heyn (2020) measured the service quality of the majority of public transport modes by comparing commuter's perceptions of the current service levels with their expectations to determine service gaps where interventions are required. The results reflect that safety concerns, particularly regarding protection from crime, and maintenance, particularly as it affects the reliability of the service are concerns across most modes of transport. Although commuters regard the services as relatively affordable, this is insufficient to attract customers and reduce car ownership aspirations. Concerns related to addressing the mobility and accessibility needs of commuters in the off-peak, keeping commuters informed and training



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staff to be willing to assist passengers are likely to impact the willingness to remain on public transport and even attract new users.

Taran, (2022). This paper mainly adopts descriptive analysis method and case study method and uses SERVQUAL model and statistical method to measure and evaluate the service quality level of shuttle bus of Al al-Bayt University. The study concluded that the order of the dimensions of measuring the quality of shuttle service was as follows: assurance, reliability, and empathy at a medium level; then tangibility followed by responsiveness at a low level for each. In general, the students' satisfaction level with the shuttle services provided at the campus was low, especially for the tangibility and responsiveness dimensions. This research is of value to transport service providers in understanding the gaps in and requirements of their service provision. To policy makers it highlights the dissatisfaction in the current levels of public transport service, as well as providing some indication of areas in which future interventions can be directed.

Banerjee, Saha, Jain, & Rao (2020) measured service quality as proposed by (Parasuraman, Zeithaml, Berry, 1988) and its impact on satisfaction for on-demand ride services. The data was collected from around 1494 respondents using any on-demand ride mobile application for at least six months. The initial questionnaire was pre-tested with around 50 on-demand ride mobile application users. The changes were incorporated in the finalized questionnaire before starting the data collection. It was found that for delivering satisfaction to the on-demand ride users all the dimensions are service quality namely reliability, assurance, empathy and responsiveness are significant, though for measuring service quality all the five measures are essential.

Agyeman, & Cheng (2020). The quality of bus transport to school and its synergistic effects on school attendance, quality teaching, and learning are best measured using experiences and perceptions of users. The study sought to investigate 43 obstacles to the delivery of quality bus service via 20 selected private schools in the Sunyani Municipality, Ghana. The survey was an exploratory case study which focused on the use of a questionnaire. Survey participants of 403 students were selected to respond, using the probability sampling technique. Descriptive statistics were used to define essential socio-demographic and bus service-related characteristics and their effects on schoolchildren's mobility decision-making as well as



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academic work. Exploratory factor analysis was used to construct four latent factors which describe obstacles to perceived service quality (PSQ) delivery. The theoretical factor structure of the data was tested using confirmatory factor analysis in AMOSS 23. Simultaneously, path analysis was employed to investigate the direct and indirect effects of barriers to PSQ in the private schools' transport system. The principal component analysis highlighted four constructs as barriers to bus PSQ in the municipality: (1) perceived scheduling and routing barriers, (2) perceived safety and bus attribute barriers, (3) pedestrian and bus stop facilities barriers and (4) efficiency, effectiveness, and equity-related barriers. We recommend that Private School Authorities and Municipal Board of Education adopt policies and draft operational safety and guideline manuals that clarify acceptable bus service delivery benchmarks and performance indicators for schools.

Zorgati, Zorgati and Zaabi (2021) worked on Public transportation and service quality management during the COVID-19 outbreak. This study aims to investigate the quality management of public transportation services in the Tunisian context during the COVID-19 outbreak. The empirical study was based on the conjoint analysis approach. The sample collected is composed of 250 individuals who often use the train as a means of transport and the pair-wise comparison method is adopted for conjoint analysis. This study assesses quality management of customer service and takes into account four aspects of service quality such as comfort, way of reservation (possibility of online booking), speed, and safety. The findings revealed that the optimal combination of service offered by the Tunisian national railway company is characterized by the terms "first class", "online booking", "express", and "safety". It is favored by Tunisian customers during the COVID-19 outbreak. Additionally, the results show that the maximum utility corresponds to the "safety train" modality followed by "second class", "online booking", and finally "stopover". Moreover, the use of new information and communication technologies (NICT) has importance for train users during the COVID-19 outbreak. Indeed, Tunisians are looking for safety and measures to reduce crowding in a train, to minimize the risk of contagion of COVID-19 outbreak.

Etuk, Anyadighibe, James, and Mbaka (2021). This study examined service quality and passengers' loyalty of public transportation companies. It was carried out to determine the effects of passengers' safety, passengers' comfort, drivers' competence, travel time and vehicle cleanliness on passengers' loyalty of public transportation companies. The study adopted cross-



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sectional survey research design. Primary data were obtained from 228 passengers of public road transportation companies using an adapted structured questionnaire. Data analysis was done using descriptive statistics while multiple linear regression was adopted to test the hypotheses of the study with the aid of the Statistical Package for the Social Sciences (SPSS 23) software. The findings of the study revealed that passengers' safety, passengers' comfort, drivers' competence and vehicle cleanliness had significant positive effects on passengers' loyalty of public transportation companies, while travel time had a non-significant effect on passengers' loyalty in this regard. Therefore, the study concluded that, to a large extent, service quality has a significant positive influence on passengers' loyalty of public transportation companies. Practical implications and suggestions for further studies were made consequently.

Helon & Ejem, (2021) examined road transport management and customers' satisfaction in Nigeria using SERVQUAL Model with focus on Imo Transport Company. Nigeria. The study used primary data collected through questionnaire as survey instrument to elicit the service quality satisfactions of road passengers. The results of the study indicated that the six SERVQUAL dimension showed that there is a strong relationship between customers' satisfaction and public transport service in Nigeria. Thus, from perspectives of the passengers, road transportation and customer's satisfaction is very essential for the movement of goods and people. Based on the finding, the study recommended regular maintenance of vehicles and roads and provision of quality customer services that will satisfy the commuters who constantly use the roads must be put in place in order to achieve customers' satisfaction and thus improve economic activities.

Nurmahdi (2019). Marketing activities through e-marketing and mobile marketing technology operated by online taxi players, such as, Grab and Uber have an impact on the transportation sector, especially operators which serve the Greater Jakarta / Jabodetabek (Jakarta, Bogor, Depok, Tangerang and Bekasi) area to and from Soekarno Hatta International Airport (SHIA). Operators were worried that the advancement of online taxis could ruin their market share. Thus, customer insight information is needed. Exploratory research which measures customers' perception and focuses on Product Quality and ServQual was applied in this research. Non-probability, purposive sampling was used, with 134 loyal bus customers were chosen. These matched the criteria of having travelled the specified route at least five times within the last 12 months. Importance Performance Analysis (IPA), which measures the

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relationship between customer perception and priority on increasing product or service quality,

was applied. IPA combines the measurements of importance (degree of care) and performance

(degree of satisfaction) in two dimensions which would make it easier to explain and describe

practical suggestions. Customer Satisfaction Index (CSI) was applied and scored 75.05 which

means that customers were satisfied. This was derived from the overall weighted score of five

Servqual dimensions: tangibles, assurance, reliability, responsiveness, and empathy. This study

concluded that even though the CSI result was satisfactory, to defend and enhance the market

share, new innovative marketing strategies were needed, including the introduction of new

technology in marketing and operations, in order to increase the overall quality of services to

customers.

Research Hypotheses

The following research questions will guide this study.

Ho: Reliability has no significant effect on commuters' satisfaction in transportation firms

in Anambra state.

H₁: Reliability has significant effect on commuters' satisfaction in transportation firms in

Anambra state.

Ho2: Responsiveness has no significant effect on commuters' satisfaction in transportation

firms in Anambra state.

H2: Responsiveness has significant effect on commuters' satisfaction in transportation

firms in Anambra state.

METHOD

Research Design

The study adopted a purely descriptive research approach as it sought to establish the

relationship between variables. Descriptive research involves collecting data in order to test

hypotheses or answer research questions concerning the current status of the subject of the

study. Thus this approach will be adopted because it seeks to describe the situation as it was

with regards service quality and customer satisfaction.

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Research Instrument

The researcher used questionnaire to generate the primary data needed for the study. The questionnaire contains efficient questions for collection of relevant information required to achieve the purpose of the study. Questions were organized on issue-based structured patterns following the sub-elements of the stated research questions, so as to ensure completeness. Five point Likert scale was used to generate the data for the analysis. The scale of 5(Strongly Agree), 4(Agree), 3(Undecided) 2(Strongly Disagree), 1(Disagree) was used. The use of scaled-responses was informed because it permits the measurement of intensity of respondents answers, compared to multiple choice responses (McDaniel & Gates, 2001). The questionnaire was structured into two sections with the first section eliciting the personal information of the respondents while the second section covers questions related to the research objectives.

Validity of the Instrument

The researcher used face and content validity in this research work. To ensure instrument validity, experts from the department reviewed the contents of the questionnaire. Their corrections and suggestions were incorporated into the final draft of the questionnaire. According to Coldwell and Herbst (2004), using a panel of experts familiar with the content is one of the ways in which content validity can be established. The questionnaire is attached as an appendix to this work.

Reliability of the Instrument

To ensure consistency of the developed instrument, the instrument a pilot study was done using random sample of 10 customers. The number 10 was chosen for pre-test because according to Kathuri and Pals (1993), 10 is the smallest number that yields meaningful results on data analysis in a survey research. The researcher tested the reliability of the instrument by using of Cronbach alpha method. This method is appropriate since it involved a single administration of the instrument therefore it is expected to yield a greater internal consistency. The research instrument is reliable since the reliability coefficient is between 0.7 and 0.8 (Coldwell & Herbst, 2004).

Participants



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the demographic features of the respondents such as gender and educational qualification are presented and analyzed.

Table 4.1 Frequencies and Percentages of the Gender Variables

Variables		Frequency	Percent	Valid Percent	Cumulative Percent
	Male	199	60.86	60.9	60.9
Gender	Female	128	39.14	39.1	100.0
	Total	327	100.0	100.0	

Source: Field Survey, 2023.

The table above depicts the sex of the commuters covered in this study. 199 respondents representing 60.9% were male while 128 respondents representing 39.1% were female. There are more male commuters than the female commuters within the period under review.



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Variable		Frequency	Percent	Valid Percent	Cumulative Percent
	O'Level	42	12.8	12.8	12.8
Educational	OND/NCE	130	39.75	39.8	52.6
	B.Sc/HND	114	34.86	34.9	87.5
qualification	MSC/MBA	25	7.6	7.6	95.1
	PhD/Others	16	4.89	4.9	100.0
	Total	327	99.9	100.0	

Source: Field Survey, 2023.

Table 4.4 above shows the educational qualifications of the respondents. The table indicates that 12.8% of the respondents have O'level as their educational qualification, 39.8% of the respondents are OND/NCE holders, 34.9% of the respondents are B.Sc./HND holders 7.6% of be respondents have M.Sc./MBA, while 4.9% of the respondents have PhD and others as their educational qualification.

Results



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Table 4.5 Respondents opinion on the Influence of reliability on commuter satisfaction

Reliability	SA	A	UD	D	SD	Total
Service provider upholds its promises to	120	126	40	28	13	327
the customer: punctuality, route destination	(36.7)	(38.6)	(12.2)	(8.6)	(3.9)	(100)
The staff of the transport firms are honest	101	115	51	49	11	327
and reliable	(30.9)	(35.2)	(15.6)	(14.9)	(3.4)	(100)
The staff shows sincere interest in solving	110	91	47	61	18	327
problems	(33.6)	(27.8)	(14.4)	(18.7)	(5.5)	(100)
Standard services are delivered every time	94	125	39	50	19	327
per use.	(28.7)	(38.3)	(11.9)	(15.3)	(5.8)	(100)
They get to their destination at the time	52	105	61	74	35	327
they promise	(15.9)	(32.1)	(18.7)	(22.6)	(10.7)	(100)
Staffs always keep passengers informed	100	114	50	30	33	327
about when the buses will arrive and depart	(30.6)	(34.9)	(15.2)	(9.2)	(10.1)	(100)

Source: field survey 2023.

Table 4.5 revealed that 120 respondents representing 36.7% strongly agreed that the service provider upholds its promises to the customer: punctuality, route destination, 126 respondents representing 38.6% agreed, while 40 respondents representing 12.2% were undecided. The table further shows that 28 respondents representing 8.6% disagreed while 13 respondents representing 3.9% strongly disagreed. The table also revealed that 101 respondents representing 30.9% strongly agreed that the staff of the transport firms is honest and reliable, 115 respondents representing 35.2% agreed, while 51 respondents representing 15.6% were undecided. The table further shows that 49 respondents representing 14.9% disagreed while 11 respondents representing 3.4% strongly disagreed. The table further revealed that 110



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respondents representing 33.6% strongly agreed that the staff show sincere interest in solving problems, 91 respondents representing 27.8% agreed, while 47 respondents representing 14.4% were undecided. The table further shows that 61 respondents representing 18.7% disagreed while 18 respondents representing 5.5% strongly disagreed. Furthermore, the table revealed that 94 respondents representing 28.7% strongly agreed that standard services are delivered every time per use. 125 respondents representing 38.3 % agreed, while 39 respondents representing 11.9% were undecided. The table further shows that 50 respondents representing 15.3% disagreed while 19 respondents representing 5.8% strongly disagreed. Going further the table revealed that 52 respondents representing 15.9% strongly agreed that the service provider get to their destination at the time they promise 105 respondents representing 32.1% agreed, while 61 respondents representing 18.7% were undecided. The table further shows that 74 respondents representing 22.6% disagreed while 35 respondents representing 10.7% strongly disagreed.

Lastly the table revealed that 100 respondents representing 30.6% strongly agreed that the Staffs always keep passengers informed about when the buses will arrive and depart, 114 respondents representing 34.9% agreed, while 50 respondents representing 15.2% were undecided. The table further shows that 30 respondents representing 9.2% disagreed while 33 respondents representing 10.1% strongly disagreed.



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Table 4.7 Respondents opinion on the influence of responsiveness on commuter satisfaction

Responsiveness	SA	A	UD	D	SD	Total
Quick service at time of ticket booking	131	138	18	25	15	327
	(40.1)	(42.2)	(5.5)	(7.6)	(4.6)	(100)
The staff look pleased and enthusiastic in	113	147	31	10	26	327
service	(34.5)	(45.0)	(9.5)	(3.0)	(8.0)	(100)
The staff is never too busy to respond to	121	171	15	13	7	327
passengers request	(37.0)	(52.3)	(4.6)	(4.0)	(2.1)	(100)
The staff provide details about their process	126	160	16	17	8	327
and routes	(38.5)	(49.0)	(4.8)	(5.2)	(2.5)	(100)
Passengers don't have to wait too long before	98	160	35	23	11	327
departure	(30.0)	(49.0)	(10.7)	(7.0)	(3.3)	(100)
The staff tells the customer exactly when	118	166	15	20	8	327
buses will be available and when they will depart	(36.1)	(50.8)	(4.6)	(6.1)	(2.4)	(100)

Source: field survey 2023.

Table 4.7 revealed that 131 respondents representing 40.1% strongly agreed that quick service is offered at time of ticket booking, 138 respondents representing 42.2 % agreed, while 18 respondents representing 5.5% were undecided. The table further shows that 25 respondents representing 7.6% disagreed while 15 respondents representing 4.6% strongly disagreed. The table also revealed that 113 respondents representing 34.5% strongly agreed that the staff look pleased and enthusiastic in service, 147 respondents representing 45.0 % agreed, while 31 respondents representing 9.5 % were undecided. The table further shows that 10 respondents



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representing 3.0% disagreed while 26 respondents representing 8.0% strongly disagreed. The table further revealed that 121 respondents representing 37.0% strongly agreed that the staff is never too busy to respond to passengers' request, 171 respondents representing 52.3% agreed, while 15 respondents representing 4.6% were undecided. The table further shows that 13 respondents representing 4.0% disagreed while 7 respondents representing 2.1% strongly disagreed. Furthermore, the table revealed that 126 respondents representing 38.5% strongly agreed that the staff provide details about their process and routes. 160 respondents representing 49.0 % agreed, while 16 respondents representing 4.8% were undecided. The table further shows that 17 respondents representing 5.2% disagreed while 8 respondents representing 2.5% strongly disagreed. Going further the table revealed that 98 respondents representing 30.0% strongly agreed that the passengers don't have to wait too long before departure. 160 respondents representing 49.0% agreed, while 35 respondents representing 10.7% were undecided. The table further shows that 23 respondents representing 7.0% disagreed while 11 respondents representing 3.3% strongly disagreed. Lastly the table revealed that 118 respondents representing 36.1% strongly agreed that the staff tells the customer exactly when buses will be available and when they will depart, 166 respondents representing 50.8% agreed, while 15 respondents representing 4.6% were undecided. The table further shows that 20 respondents representing 6.1% disagreed while 8 respondents representing 2.4% strongly disagreed.

Test of Hypotheses

The hypotheses, formulated to guide this study were empirically tested using the t-statistics values and the probability values in the coefficients of the multiple regression analysis.

Table 4.14 Coefficients of the Multiple Regression

Model		tandardized Standardized Defficients Coefficients		t	Significant
	В	Std. Error	Beta		
(Constant)	25.006	1.717		14.564	.000
REL	.093	.039	.076	3.372	.001



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RES

.072

.043

.093

2.671

.006

Dependent Variable:Commuter satisfaction

Source: SPSS, Version 21.0

Hypothesis One

Ho: Reliability has no significant effect on commuter satisfaction in transportation firms in

Anambra State.

H₁: Reliability has a significant effect on commuter satisfaction in transportation firms in

Anambra State.

Reliability has a t-statistics value of 3.372 with a probability value of 0.001 which is

statistically significant. Therefore, we reject the null hypothesis and accept the alternative

hypothesis and conclude that reliability has a significant effect on commuter satisfaction in

transportation firms in Anambra State.

Hypothesis Two

Ho: Responsiveness has no significant effect on commuter satisfaction in transportation

firms in Anambra State

H1: Responsiveness has a significant effect on commuter satisfaction in transportation firms

in Anambra State.

Responsiveness has a t-statistics value of 2.671 with a probability value of 0.006 which is

statistically significant. Therefore, we reject the null hypothesis and accept the alternative

hypothesis and conclude that responsiveness has a significant effect on commuter satisfaction

in transportation firms in Anambra State.

Discussion of Findings

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This work examined the influence of service quality dimensions of reliability and responsiveness on commuters' satisfaction of transportation firms' services in Anambra state, Nigeria. Data were sourced from customers of five selected transport companies. The data generated were analyzed using linear regression analysis. The study found that reliability has a significant effect on commuter satisfaction in road transportation firms in Anambra State. This agrees with the findings of Ueasangkomsate P (2019) that service expectations exceed perceptions regarding the quality of reliability in on demand riders. The study further found that responsiveness has a significant influence on commuter satisfaction in road transportation firms in Anambra State. This agrees with the findings of Helon, and Ejem (2021) that

1. Reliability has a significant positive influence on commuters' satisfaction in road

consumers have significant positive satisfaction in respect of responsiveness to the transport

transportation firms in Anambra State.

firms in Nigeria. In summary, the findings of this study include

2. Responsiveness has a significant positive influence on commuters' satisfaction in road

transportation firms in Anambra State.

Conclusion

The study concludes that service quality variables have significant positive effect on commuters' satisfaction in road transportation firms in Anambra State. This conclusion is supported by significant statistics which measures collective significant of the effect of the explanatory variables on the dependent variable. Therefore, the service quality variables (reliability and responsiveness) can collectively explain the variations in commuter

satisfactions of road transportation firms in Anambra State.

Recommendations

The study recommends the following:

1. There is need to provide more training to the employee of the transport firm especially

those that have direct contact with the commuters at the terminals to enhance their

customer service skills. The training should focus on employees' ability to help

customers resolve their queries and problems quickly.

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2. Also, in the process of resolving commuters' problems, they should show a caring, courteous attitude and a sincere interest in helping travellers.

3. Furthermore, transport firms should improve their knowledge and skills so that they can provide a fast and reliable service to their customers. When they promise to do something for the customer within a certain time, they must fulfill that promise.

4. Also, employees of the transport firms should provide spontaneous care and concern for passengers, collaborating with other travel related partners (eg, car rental, hotels, travel insurance) in order to provide effective services to the customers.

5. Transport firms should also seek to develop strategies that enhance positive behavioral intentions. These strategies should include meeting and exceeding customers' desired service levels, dealing effectively with dissatisfied customers, and confronting customer complaints positively.

Contribution to Knowledge

The major contribution of this study to knowledge is that it established that service quality variables have significant effect on commuter satisfaction of road transportation firms' services in Anambra state. The study also provides empirical evidence that can aid transport companies and policy formulators in understanding the effect of service quality on commuter satisfaction of road transportation firms' services in Anambra state.

Transport Service Providers: The findings generated via this study would be of value to the transport service providers in the Anambra state. It will also be of immeasurable use to transport providers in other states. The findings will help to understand clearly how customers perceive the quality of services they render. This will aid them in improving the quality of services they provide.

Transport Managers: This study will help to identify the relationship between service quality dimensions (reliability, assurance, tangibility, empathy and responsiveness) and consumer satisfaction. These factors can be used by management of these transport companies to measure and improve the quality of services they render. This study will also be of great use to transport managers in providing a direction on how to modify and improve on their existing service



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quality. It is expected that the findings will be compelling enough to lead management to

commit the necessary resources to improve the quality of their services.

Customers: This study will help customers to understand the influence on service quality

needed by transport companies on them. It will help to identify loopholes in transport service

and how to demand for improvement.

Researchers/Academicians: This study is expected to expand the frontiers of knowledge with

respect to how service quality dimension and consumer satisfaction. This study will provide

empirical and theoretical footings for further researcher works Researchers who intend carrying

out further research on service quality in transport sector or any other sector will benefit

immensely from this study.

The following are suggested for further studies:

1. Similar studies should be replicated in the airline sector in Anambra state.

2. Service quality variables should be examined in relation to customer satisfaction and

loyalty in online booking rider services Anambra state.

3. More transport firms should be used to examine the influence of service quality

variables on commuter satisfaction of transport firms' services.

Limitations of the Study

In a bid to achieve the objective of this study, the research will encounter some challenges.

Inaccessibility of all the empirical and theoretical literatures especially within the context may

constitute a major challenge. Thus, limited literature related to service quality dimensions and

commuter satisfactions were examined. Also, the sample of respondents can be seen as

limitation of this study because it may be limited by the number of respondents who

successfully completed the questionnaire. Similarly, the chosen sample (consumers of five

transport companies) may limit the generalization of the findings of this to all the transport

companies in Anambra State. Finally, we believe some persons may be uncooperative which

may affect the quality of response obtained from them. Despite these limitations, the researcher

will make effort to minimize their negative impact by utilizing validated research instrument

and by appealing to the respondents on the need for this research work.

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LETTER OF INTRODUCTION

Department of Marketing,

Faculty of Management Sciences,

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NnamdiAzikiwe University,

Awka,



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24th February, 2023

Dear Sir/Madam,

REQUEST TO COMPLETE QUESTIONNAIRE

I am a postgraduate student of the above department and institution, conducting research on the topic "The Influence of Service Quality On Commuter Satisfaction in Transportation Firms in Anambra State" in partial fulfillment for the award of Masters of Science in Marketing.

I will be glad if you help fill the attached questionnaires to enable me carry out this research work successfully. I assure you that your responses will be treated in confidence and used solely for this research. Thank you for your cooperation.

Yours sincerely

NjelitaChukwudi I.

QUESTIONNAIRE

Instruction: Pleas tick ($\sqrt{\ }$) to indicate your response to the question

Section A: Bio Data

1.	Gender: Male () Female ()
2.	Marital Status: Single () Married () Separated /Divorced ()
3.	Age bracket: 20 - 30 years () 31- 40 years ())41 - 50 yours ()
	51 years and above ()



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4.	Educational Qualification:	OND/NCE ()	B.Sc/HND ()

MSC/MBA () PhD/Others ()

Section B: Data Relevant to the Research Objectives

Key:

SA Strongly Agree

A Agree

U Undecided

SD Strongly Disagree

D Disagree

S/N	Question	SA	A	UD	D	SD
	Reliability					
1	Service provider upholds its promises to the customer:					
	punctuality, route destination etc.					
2	The staff of the transport firms are honest and reliable					
3	The staff shows sincere interest in solving problems					
4	Standard services are delivered every time per use.					
5	They get to their destination at the time they promise					
6	Staffs always keep passengers informed about when					
	the buses will arrive and depart					
	Tangibility					
7	The physical condition of bus is maintained in "like					
	new" condition					
8	The passenger seats are comfortable					
9	The cabin outlook visually appeals					



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10	Modem facilities such as TV and toilet are in the			
	terminal			
11	Service persons are neat in appearance and well-			
	dressed			
12	The terminal has convenient access and car park			
	Responsiveness			
13	Quick service at time of ticket booking			
14	The staff look pleased and enthusiastic in service			
15	The staff is never too busy to respond to passengers			
	request			
16	The staff provide details about their process and			
	routes			
17	Passengers don't have to wait too long before			
	departure			
18	The staff tells the customer exactly when buses will			
	be available and when they will depart			
	Assurance			
19	Service provider maintain assurance for safety and			
	property while traveling			
20	Staff maintain courteous, polite, humble relationship			
	to customer in service all the time			
21	The staff is knowledgeable and can answer customer			
	questions			
22	Staff are consistently courteous			
23	Behaviour of employees instills passengers			
	confidence			
24	Customer always feel secure in transit with the service			
	provider			
	Empathy			



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25	Staff interested and educated in differences and			
	limitations of each customer, such as the elderly,			
	children, disabled people who require special services			
26	Provider understand the needs of the passenger and			
	customer recognition as necessary			
27	Service provider maintain operating hours convenient			
	to all their customer			
28	Service provider consider the benefit of customer is			
	the most important			
29	Service provider always protects customer's interest			
	and well-being			
30	Staff deals with passenger in a caring fashion and			
	provide personal attention			
	Commuter satisfaction			
31	Commuter is satisfied that the service have delivered			
	the expected function			
32	The services of the transport firms fulfill the			
	customers need			
33	The overall quality of services provided is acceptable			
34	The service offered deviates from customer			
	expectation			
35	The services provided is of high quality			
36	The various transportation attributes is satisfactory			



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Variables Entered/Removed^a

Model	Variables Entered	Variable	Method
		Removed	
1	Empathy, Assurance, Tangibility, Reliability, Responsiveness ^{ss}		Enter

- a. Dependent Variable: Commuter satisfaction
- b. All requested variables entered

Model Summary^b

Model	R	R Square	Adjusted R	Std. Error of	Durbin-
			Square	the Estimate	Watson
1	.128ª	.616	.571	3.232	1.932

- a Predictors: (Constant), Empathy, Assurance, Tangibility, Reliability. Responsiveness
- b. Dependent Variable: Commuter satisfaction

ANOVA^a

Model	Sum of	Df	Mean	F	Sig.
	Square		Square		
Regression	56.005	5	11.201	123.072	.000
1 Residual	3353.469	321	10.447		
Total	3409.474	326			

- a. Dependent Variable: Commuter satisfaction
- b. Predictors: (Constant), Empathy, Assurance, Tangibility, Reliability, Responsiveness

Coefficients^a

Model	Unstandardized Coefficients		Standardized		t	Significant
			Coefficients			
	В	Std. Error	Beta			
(Constant)	25.006	1.717			14.564	.000
REL	.093	.039		.076	3.372	.001
1 TAN	.029	.044		.037	2.658	.001



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RES	.072	.043	.093	2.671	.006
ASS	.085	.045	.031	4.554	.000
EMP	.023	.041	.031	2.564	.003

a. Dependent Variable: Commuter Satisfaction

Residuals Statistics^a

	Minimum	Maximum	Mean	Std.	N
				Deviation	
Predicted Value	21.82	24.37	23.20	.414	327
Residual	-10.914	6.333	.000	3.207	327
Std. Predicted Value	-3.313	2.837	.000	1.000	327
Std. Residual	-3.377	1.959	.000	.992	327

a. Dependent Variable: Commuter Satisfaction

Correlations

		CP	REL	TAN	RES	ASS	EMP
	Pearson Correlation	1	.774	.432	.688	.426	.529
CP	Sig. (2-tailed)		.180	.681	.112	.635	.605
	N	327	327	327	327	327	327
	Pearson Correlation	.774	1	.068	.007	058	015
REL	Sig. (2-tailed)	.000		.217	.905	.295	.361
	N	327	327	327	327	327	327
	Pearson Correlation	.423	.068	1	.100	.019	.040
TAN	Sig. (2-tailed)	.001	.217		.071	.727	.473
	N	327	327	327	327	327	327
	Pearson Correlation	.688	.007	.100	1	.015	.079
RES	Sig. (2-tailed)	.002	.905	.071		.792	.155
	N	327	327	327	327	327	327
	Pearson Correlation	.426	058	.019	.015	1	.021
ASS	Sig. (2-tailed)	.005	.295	.727	.792		.707
	N	327	327	327	327	327	327
	Pearson Correlation	.529	051	.040	.079	.021	1



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EMP Sig. (2-tailed)	.005	.361	.473	.155	.707	
N	327	327	327	327	327	327

^{**} Correlation is significant at the 0.01 level (2-tailed).

^{*} Correlation is significant at the 0.05 level (2-tailed).